

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville

2960 Foster Creighton Drive

Nashville, TN 37204

Tel: (615)726-0177

TestAmerica Job ID: 490-48456-1

Client Project/Site: Everett Terminal - Outfall 01 A

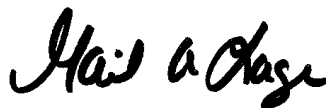
For:

Exxon Global Remed. Grp

52 Beacham Street

Everett, Massachusetts 02149

Attn: Mallory Stanhope



Authorized for release by:

3/28/2014 4:14:44 PM

Gail Lage, Senior Project Manager

(615)301-5741

gail.lage@testamericainc.com

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

| | |
|---------------------------------|----|
| Cover Page | 1 |
| Table of Contents | 2 |
| Sample Summary | 3 |
| Case Narrative | 4 |
| Definitions | 5 |
| Client Sample Results | 6 |
| QC Sample Results | 8 |
| QC Association | 10 |
| Chronicle | 11 |
| Method Summary | 12 |
| Certification Summary | 13 |
| Chain of Custody | 14 |
| Receipt Checklists | 16 |

Sample Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|----------------------|------------|----------------|----------------|
| 490-48456-1 | Outfall 01 A-TSS - 1 | Wastewater | 03/12/14 21:40 | 03/14/14 08:15 |
| 490-48456-4 | Outfall 01 A | Wastewater | 03/12/14 21:40 | 03/14/14 08:15 |

Case Narrative

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

Job ID: 490-48456-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-48456-1

Receipt

The samples were received on 3/14/2014 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

Except:

A Chain-of-Custody (COC) was not received with these samples and the email to the lab after receipt.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Client Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

Client Sample ID: Outfall 01 A-TSS - 1

Lab Sample ID: 490-48456-1

Date Collected: 03/12/14 21:40

Matrix: Wastewater

Date Received: 03/14/14 08:15

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Total Suspended Solids | 8.14 | | 1.43 | 1.00 | mg/L | | | 03/14/14 19:52 | 1 |

Client Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

Client Sample ID: Outfall 01 A

Date Collected: 03/12/14 21:40

Date Received: 03/14/14 08:15

Lab Sample ID: 490-48456-4

Matrix: Wastewater

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Oil & Grease (HEM) | <1.53 | | 4.36 | 1.53 | mg/L | | 03/18/14 11:01 | 03/18/14 11:01 | 1 |

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: LB 490-148377/2-A

Matrix: Water

Analysis Batch: 148379

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 148377

| Analyte | LB Result | LB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------------|-----------------|------|------|------|---|----------------|----------------|---------|
| Oil & Grease (HEM) | <1.40 | | 4.00 | 1.40 | mg/L | | 03/18/14 11:01 | 03/18/14 11:01 | 1 |

Lab Sample ID: MB 490-148377/1-A

Matrix: Water

Analysis Batch: 148379

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 148377

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|--------------|-----------------|------|------|------|---|----------------|----------------|---------|
| Oil & Grease (HEM) | <1.40 | | 4.00 | 1.40 | mg/L | | 03/18/14 11:01 | 03/18/14 11:01 | 1 |

Lab Sample ID: LCS 490-148377/3-A

Matrix: Water

Analysis Batch: 148379

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 148377

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|----------------|---------------|------------------|------|---|------|-----------------|
| Oil & Grease (HEM) | 41.7 | 37.50 | | mg/L | | 90 | 78 - 114 |

Lab Sample ID: LCSD 490-148377/4-A

Matrix: Water

Analysis Batch: 148379

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 148377

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| Oil & Grease (HEM) | 41.7 | 37.50 | | mg/L | | 90 | 78 - 114 | 0 | 18 |

Lab Sample ID: 490-48395-D-1-A MS

Matrix: Water

Analysis Batch: 148379

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 148377

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Oil & Grease (HEM) | <1.49 | | 43.5 | 39.13 | | mg/L | | 90 | 78 - 114 |

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 490-147930/1

Matrix: Water

Analysis Batch: 147930

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------------|-----------------|------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | <0.700 | | 1.00 | 0.700 | mg/L | | | 03/14/14 19:52 | 1 |

Lab Sample ID: LCS 490-147930/2

Matrix: Water

Analysis Batch: 147930

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| Total Suspended Solids | 101 | 104.4 | | mg/L | | 104 | 90 - 110 |

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QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: LCSD 490-147930/3

Matrix: Water

Analysis Batch: 147930

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Total Suspended Solids | 101 | 97.80 | | mg/L | - | 97 | 90 - 110 | 7 | 20 |

Lab Sample ID: 490-48444-F-5 DU

Matrix: Water

Analysis Batch: 147930

Client Sample ID: Duplicate

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|------|--------------|-----|-----------|
| Total Suspended Solids | 12.3 | | 13.17 | | mg/L | - | | | 7 | 20 |

QC Association Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

General Chemistry

Analysis Batch: 147930

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|------------|----------|------------|
| 490-48444-F-5 DU | Duplicate | Total/NA | Water | SM 2540D | |
| 490-48456-1 | Outfall 01 A-TSS - 1 | Total/NA | Wastewater | SM 2540D | |
| LCS 490-147930/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |
| LCSD 490-147930/3 | Lab Control Sample Dup | Total/NA | Water | SM 2540D | |
| MB 490-147930/1 | Method Blank | Total/NA | Water | SM 2540D | |

Prep Batch: 148377

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|------------|--------|------------|
| 490-48395-D-1-A MS | Matrix Spike | Total/NA | Water | 1664A | |
| 490-48456-4 | Outfall 01 A | Total/NA | Wastewater | 1664A | |
| LB 490-148377/2-A | Method Blank | Total/NA | Water | 1664A | |
| LCS 490-148377/3-A | Lab Control Sample | Total/NA | Water | 1664A | |
| LCSD 490-148377/4-A | Lab Control Sample Dup | Total/NA | Water | 1664A | |
| MB 490-148377/1-A | Method Blank | Total/NA | Water | 1664A | |

Analysis Batch: 148379

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|------------|--------|------------|
| 490-48395-D-1-A MS | Matrix Spike | Total/NA | Water | 1664A | 148377 |
| 490-48456-4 | Outfall 01 A | Total/NA | Wastewater | 1664A | 148377 |
| LB 490-148377/2-A | Method Blank | Total/NA | Water | 1664A | 148377 |
| LCS 490-148377/3-A | Lab Control Sample | Total/NA | Water | 1664A | 148377 |
| LCSD 490-148377/4-A | Lab Control Sample Dup | Total/NA | Water | 1664A | 148377 |
| MB 490-148377/1-A | Method Blank | Total/NA | Water | 1664A | 148377 |

Lab Chronicle

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

Client Sample ID: Outfall 01 A-TSS - 1

Date Collected: 03/12/14 21:40

Date Received: 03/14/14 08:15

Lab Sample ID: 490-48456-1

Matrix: Wastewater

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | SM 2540D | | 1 | 700 mL | 1000 mL | 147930 | 03/14/14 19:52 | PHB | TAL NSH |

Client Sample ID: Outfall 01 A

Date Collected: 03/12/14 21:40

Date Received: 03/14/14 08:15

Lab Sample ID: 490-48456-4

Matrix: Wastewater

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 1664A | | 1 | 880 mL | 960 mL | 148379 | 03/18/14 11:01 | BAD | TAL NSH |
| Total/NA | Prep | 1664A | | | 880 mL | 960 mL | 148377 | 03/18/14 11:01 | BAD | TAL NSH |

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

| Method | Method Description | Protocol | Laboratory |
|----------|-------------------------------|----------|------------|
| 1664A | HEM and SGT-HEM | 1664A | TAL NSH |
| SM 2540D | Solids, Total Suspended (TSS) | SM | TAL NSH |

Protocol References:

1664A = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal - Outfall 01 A

TestAmerica Job ID: 490-48456-1

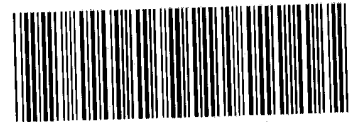
Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|---------------------|---------------|------------|------------------|-----------------|
| A2LA | ISO/IEC 17025 | | 0453.07 | 12-31-15 |
| Alaska (UST) | State Program | 10 | UST-087 | 07-24-14 |
| Arizona | State Program | 9 | AZ0473 | 05-05-14 |
| Arizona | State Program | 9 | AZ0473 | 05-05-14 * |
| Arkansas DEQ | State Program | 6 | 88-0737 | 04-25-14 * |
| California | NELAP | 9 | 1168CA | 10-31-14 |
| Connecticut | State Program | 1 | PH-0220 | 12-31-15 |
| Florida | NELAP | 4 | E87358 | 06-30-14 |
| Illinois | NELAP | 5 | 200010 | 12-09-14 |
| Iowa | State Program | 7 | 131 | 05-01-14 |
| Kansas | NELAP | 7 | E-10229 | 10-31-14 |
| Kentucky (UST) | State Program | 4 | 19 | 06-30-14 |
| Louisiana | NELAP | 6 | 30613 | 06-30-14 |
| Maryland | State Program | 3 | 316 | 03-31-14 * |
| Massachusetts | State Program | 1 | M-TN032 | 06-30-14 |
| Minnesota | NELAP | 5 | 047-999-345 | 12-31-14 |
| Mississippi | State Program | 4 | N/A | 06-30-14 |
| Montana (UST) | State Program | 8 | NA | 01-01-20 |
| Nevada | State Program | 9 | TN00032 | 07-31-14 |
| New Hampshire | NELAP | 1 | 2963 | 10-10-14 |
| New Jersey | NELAP | 2 | TN965 | 06-30-14 |
| New York | NELAP | 2 | 11342 | 04-01-14 * |
| North Carolina DENR | State Program | 4 | 387 | 12-31-14 |
| North Dakota | State Program | 8 | R-146 | 06-30-14 |
| Ohio VAP | State Program | 5 | CL0033 | 10-16-15 |
| Oklahoma | State Program | 6 | 9412 | 08-31-14 |
| Oregon | NELAP | 10 | TN200001 | 04-29-14 |
| Pennsylvania | NELAP | 3 | 68-00585 | 06-30-14 |
| Rhode Island | State Program | 1 | LAO00268 | 12-30-14 |
| South Carolina | State Program | 4 | 84009 (002) | 02-23-17 |
| Tennessee | State Program | 4 | 2008 | 02-23-17 |
| Texas | NELAP | 6 | T104704077-09-TX | 08-31-14 |
| USDA | Federal | | S-48469 | 10-30-16 |
| Utah | NELAP | 8 | TN00032 | 07-31-14 |
| Virginia | NELAP | 3 | 460152 | 06-14-14 |
| Washington | State Program | 10 | C789 | 07-19-14 |
| West Virginia DEP | State Program | 3 | 219 | 02-28-15 |
| Wisconsin | State Program | 5 | 998020430 | 08-31-14 |
| Wyoming (UST) | A2LA | 8 | 453.07 | 12-31-15 |

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Nashville



Cooler Received/Opened On 3/14/2014@ 0815

1. Tracking # 2379 (last 4 digits, FedEx)Courier: FedEx IR Gun ID 120801422. Temperature of rep. sample or temp blank when opened: 2.3 Degrees Celsius3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA4. Were custody seals on outside of cooler? YES...NO...NAIf yes, how many and where: one front5. Were the seals intact, signed, and dated correctly? YES...NO...NA6. Were custody papers inside cooler? YES...NO...NAI certify that I opened the cooler and answered questions 1-6 (initial) DA7. Were custody seals on containers: YES NO and Intact YES...NO...NAWere these signed and dated correctly? YES...NO...NA8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None10. Did all containers arrive in good condition (unbroken)? YES...NO...NA11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA12. Did all container labels and tags agree with custody papers? YES...NO...NA13a. Were VOA vials received? YES...NO...NAb. Was there any observable headspace present in any VOA vial? YES...NO...NA14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____I certify that I unloaded the cooler and answered questions 7-14 (initial) msm15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NAb. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA16. Was residual chlorine present? YES...NO...NAI certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) msm17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA18. Did you sign the custody papers in the appropriate place? YES...NO...NA19. Were correct containers used for the analysis requested? YES...NO...NA20. Was sufficient amount of sample sent in each container? YES...NO...NAI certify that I entered this project into LIMS and answered questions 17-20 (initial) msmI certify that I attached a label with the unique LIMS number to each container (initial) msm21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO # 6
to C.O.C. received via email. msm

Phone: 615-728-0177
Toll Free: 800-755-0980

Fax: 815-726-3404

Consultant Project Mgr: Trumvirale - Sandra Perry (Call Visoth at (617) 799 - 4357 for sample related questions)

Regulatory District (CA)

Loc: 490
48456

3/28/2014

Login Sample Receipt Checklist

Client: Exxon Global Remed. Grp

Job Number: 490-48456-1

Login Number: 48456

List Source: TestAmerica Nashville

List Number: 1

Creator: McBride, Mike

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 2.3 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |